ABSTRACT OF THE DISCLOSURE

METHOD, SYSTEM, AND PRODUCT FOR PROVIDING EXTENDED ERROR HANDLING CAPABILITY IN HOST BRIDGES

A method, system, and computer program product in a logical partitioned data processing system are disclosed for providing a host bridge that implements extended error handling (EEH). If all devices coupled to the host bridge implement EEH, the host bridge is initialized to operate in EEH mode. In EEH mode, the devices handle any error that occurs within the devices without reporting the error to the host bridge. All partitions that share the host bridge continue to operate without being terminated while the devices are handling the error.

If at least one device does not implement EEH, the host bridge is initialized to operate in non-EEH mode. In non-EEH mode, a machine check is generated by the host bridge when an error occurs within one of the devices resulting in the termination of all partitions that share the host bridge in response to a receipt of the machine check.